FIG.1

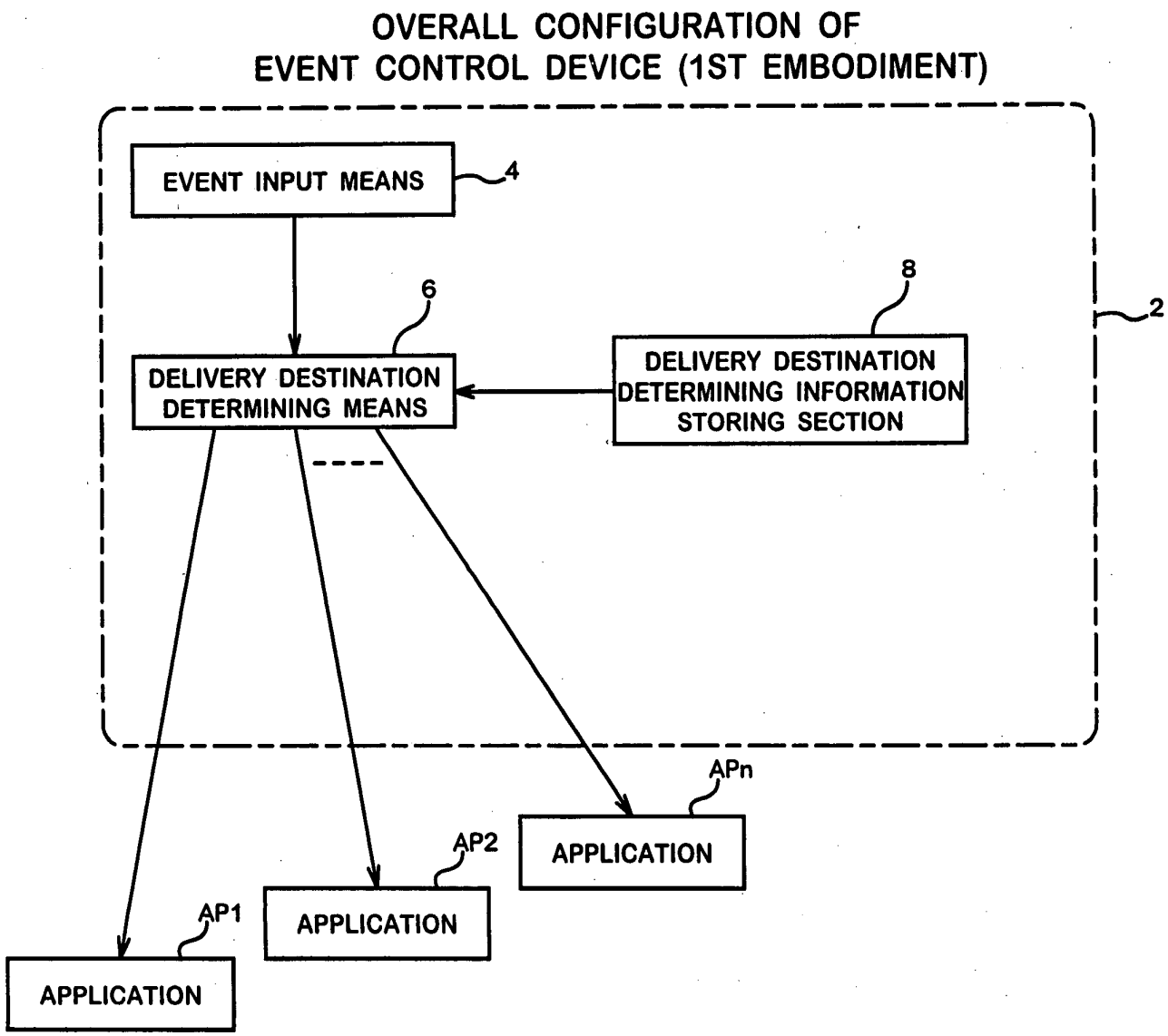

OVERALL CONFIGURATION OF
EVENT CONTROL DEVICE (1ST EMBODIMENT)
EVENT INPUT MEANS
4
6
8
2
DELIVERY DESTINATION
DETERMINING MEANS
DELIVERY DESTINATION
DETERMINING INFORMATION
STORING SECTION
APn
APPLICATION
AP2
APPLICATION
AP1
APPLICATION

FIG.2

HARDWARE CONFIGURATION OF DIGITAL BROADCAST RECEIVER

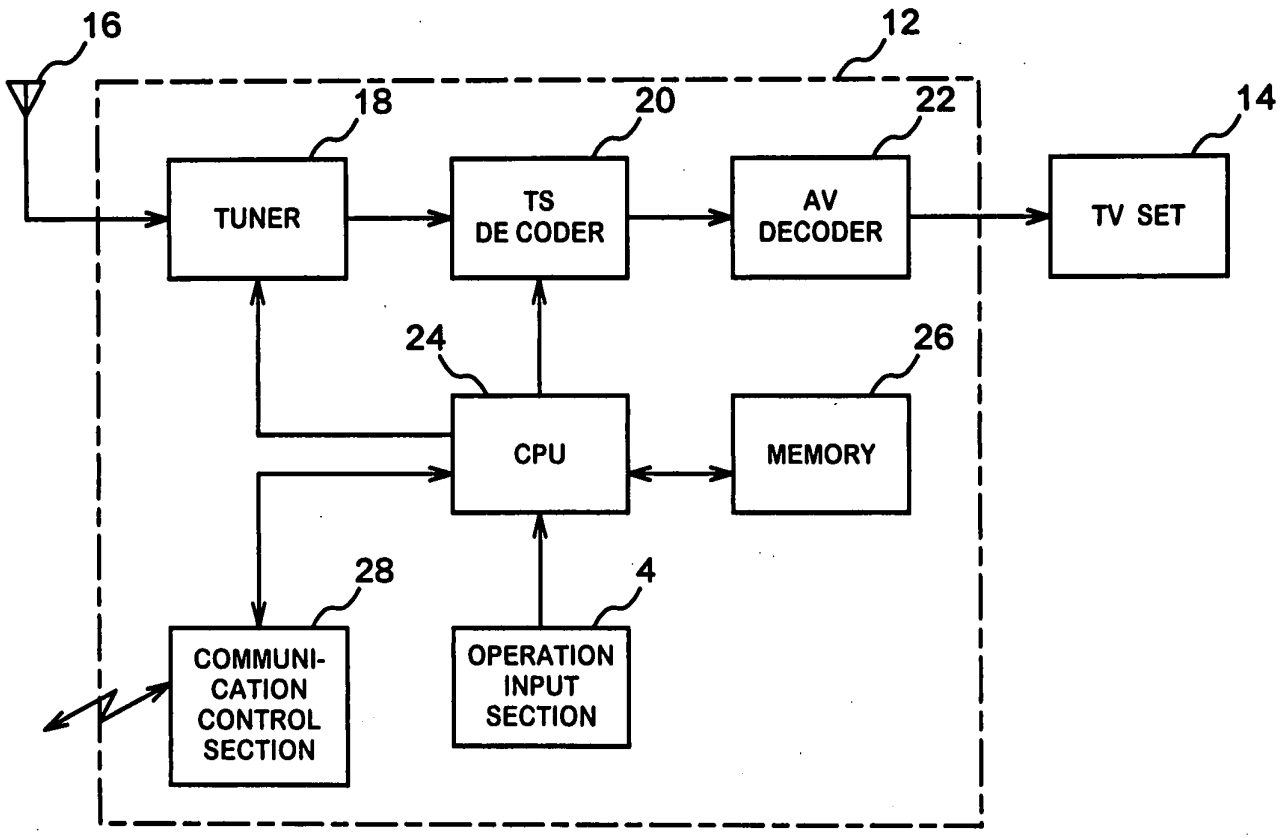


FIG.3

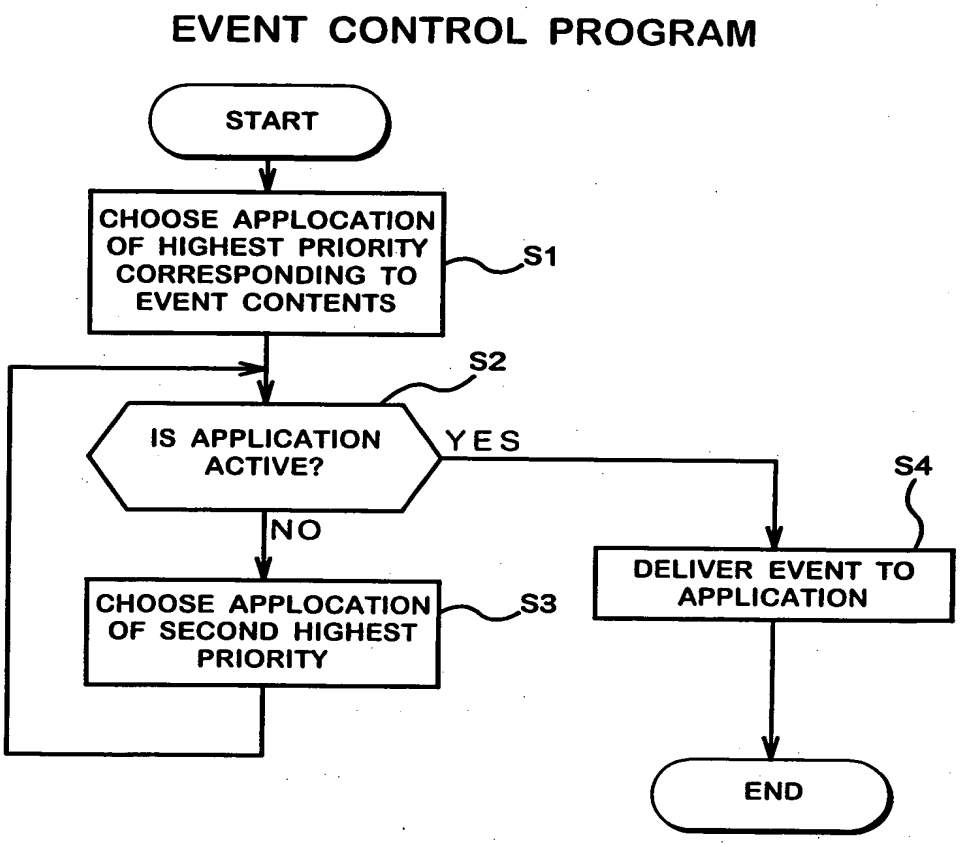
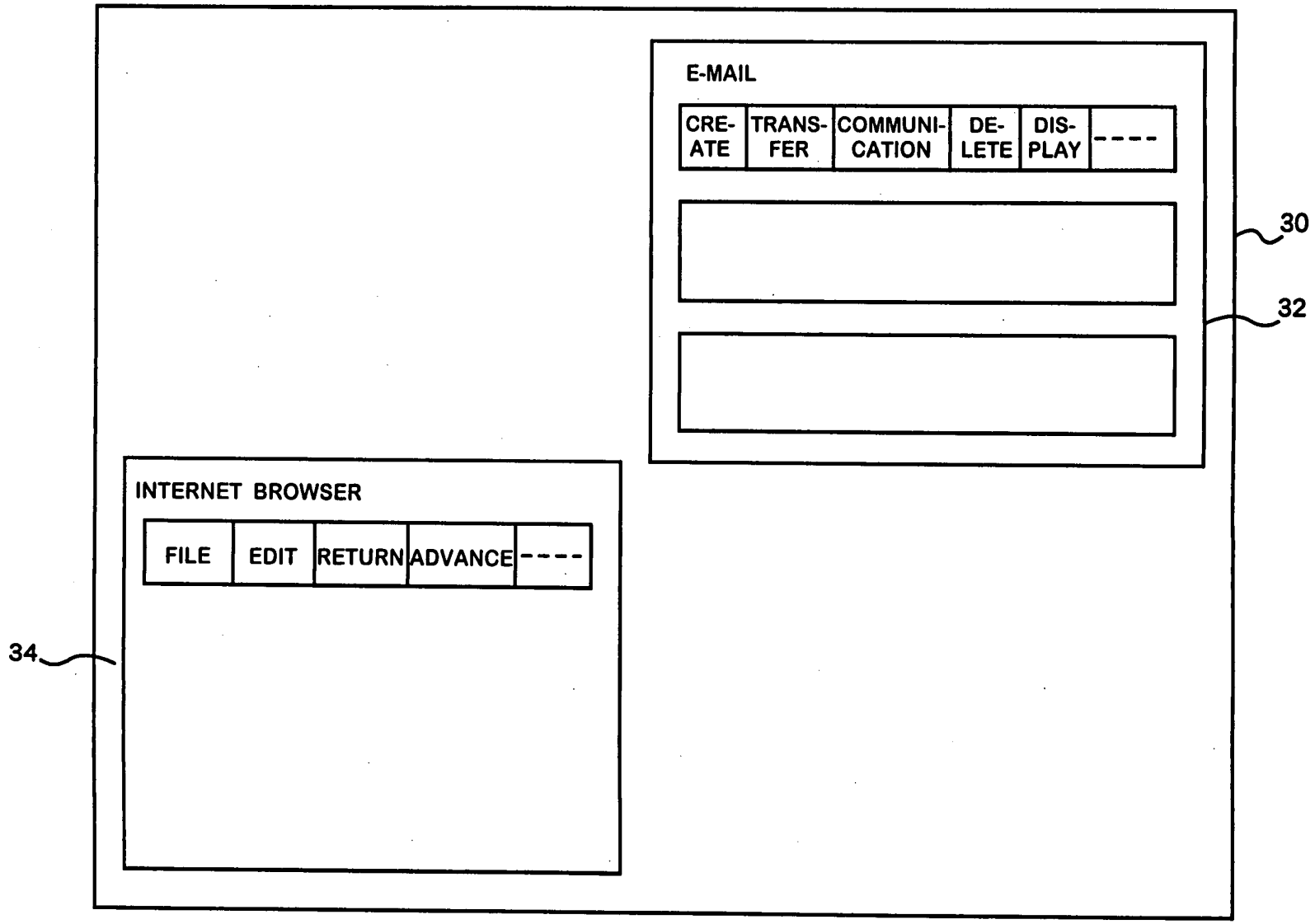

EVENT CONTROL PROGRAM
START
CHOOSE APPLOCATION OF HIGHEST PRIORITY CORRESPONDING TO EVENT CONTENTS
S1
S2
IS APPLICATION ACTIVE?
YES
NO
S4
DELIVER EVENT TO APPLICATION
CHOOSE APPLOCATION OF SECOND HIGHEST PRIORITY
S3
END

FIG.4

DELIVERY PRIORITY INFORMATION

	INTERNET BROWSER	E-MAIL	TUNING
1	—	—	1
2	—	—	1
3	—	—	1
⋮	⋮	⋮	⋮
9	—	—	1
0	—	—	1
#	2	1	3
⋮	⋮	⋮	⋮
△	2	1	—
▷	2	1	—
▽	2	1	—
◁	2	1	—
DECI-SION	2	1	—
RETURN	2	1	—
MENU	—	—	—
⋮	⋮	⋮	⋮
POWER	—	—	—
⋮	⋮	⋮	⋮

FIG.5


E-MAIL
CRE-ATE
TRANS-FER
COMMUNI-CATION
DE-LETE
DIS-PLAY

30
32
INTERNET BROWSER
FILE
EDIT
RETURN
ADVANCE

34

FIG.6

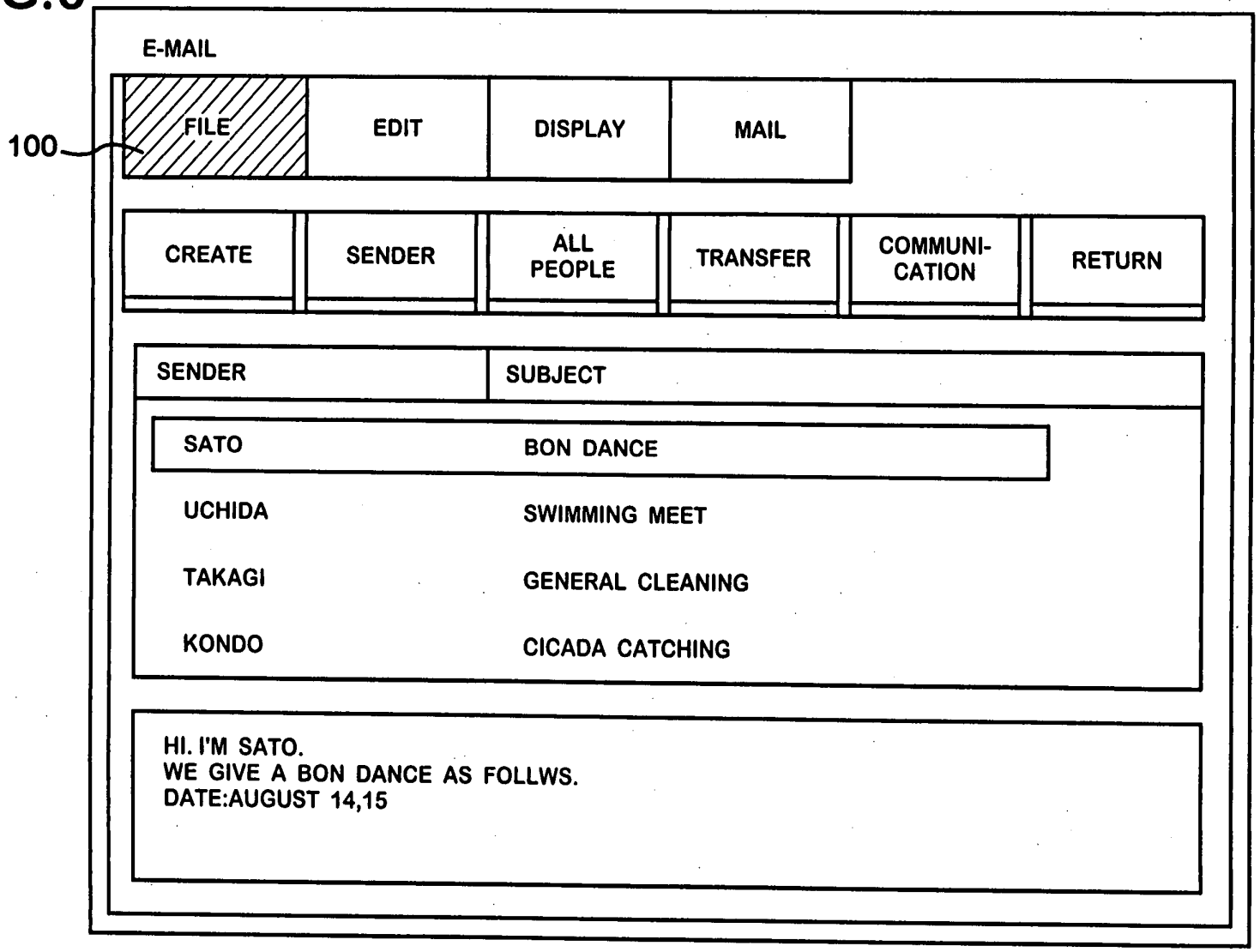

E-MAIL
100
FILE
EDIT
DISPLAY
MAIL
CREATE
SENDER
ALL PEOPLE
TRANSFER
COMMUNI-CATION
RETURN
SENDER
SUBJECT
SATO
BON DANCE
UCHIDA
SWIMMING MEET
TAKAGI
GENERAL CLEANING
KONDO
CICADA CATCHING
HI. I'M SATO.
WE GIVE A BON DANCE AS FOLLWS.
DATE:AUGUST 14,15

FIG.7

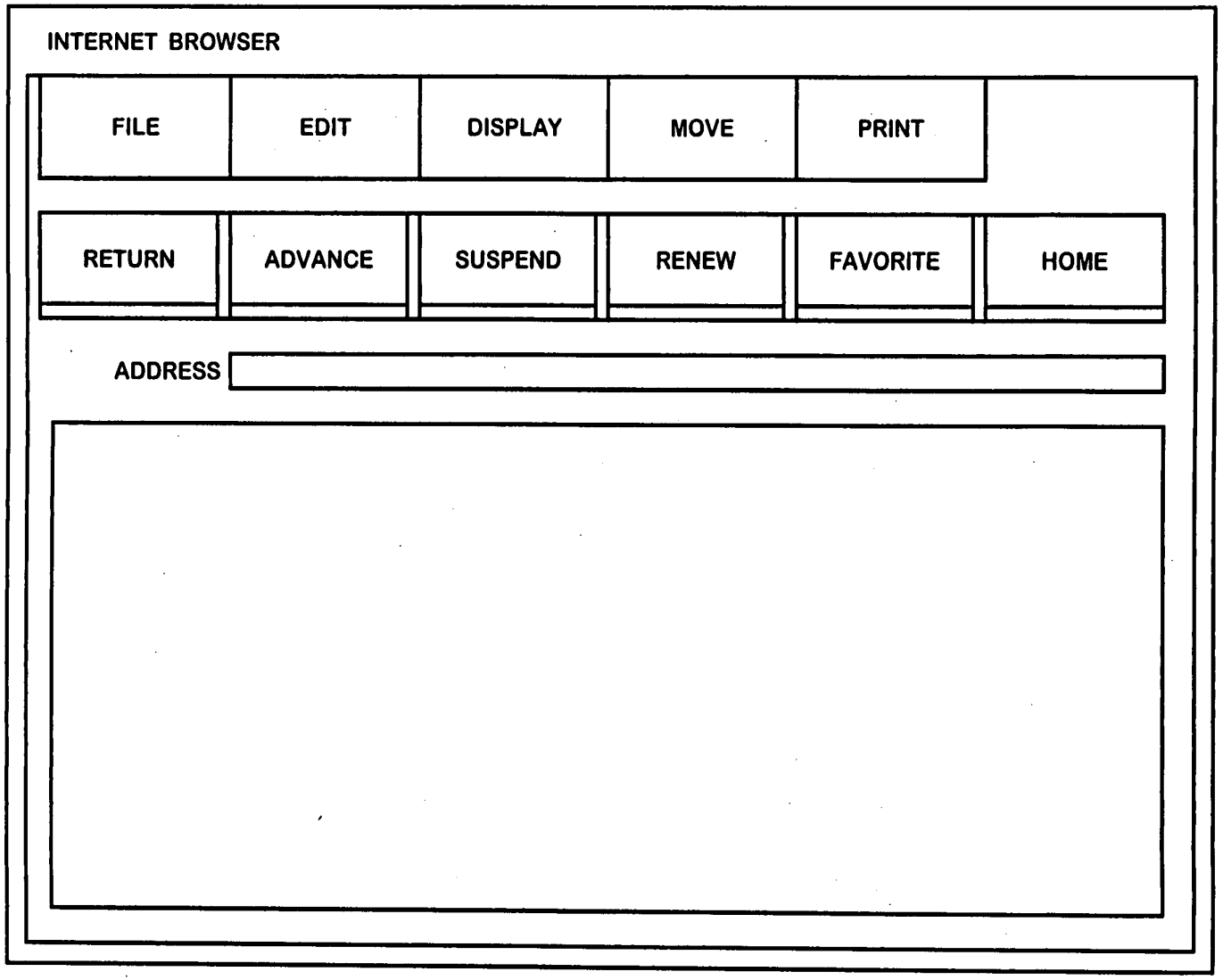

INTERNET BROWSER
FILE
EDIT
DISPLAY
MOVE
PRINT
RETURN
ADVANCE
SUSPEND
RENEW
FAVORITE
HOME
ADDRESS

FIG.8

EXTERNAL VIEW OF
REMOTE CONTROLLER

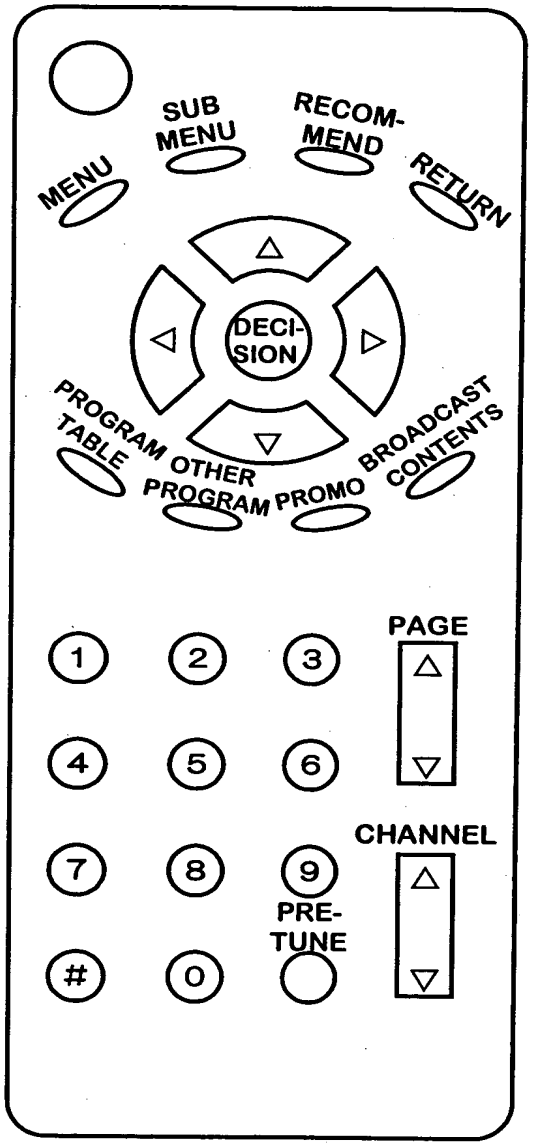


FIG.9

OVERALL CONFIGURATION OF
EVENT CONTROL DEVICE (2ND EMBODIMENT)

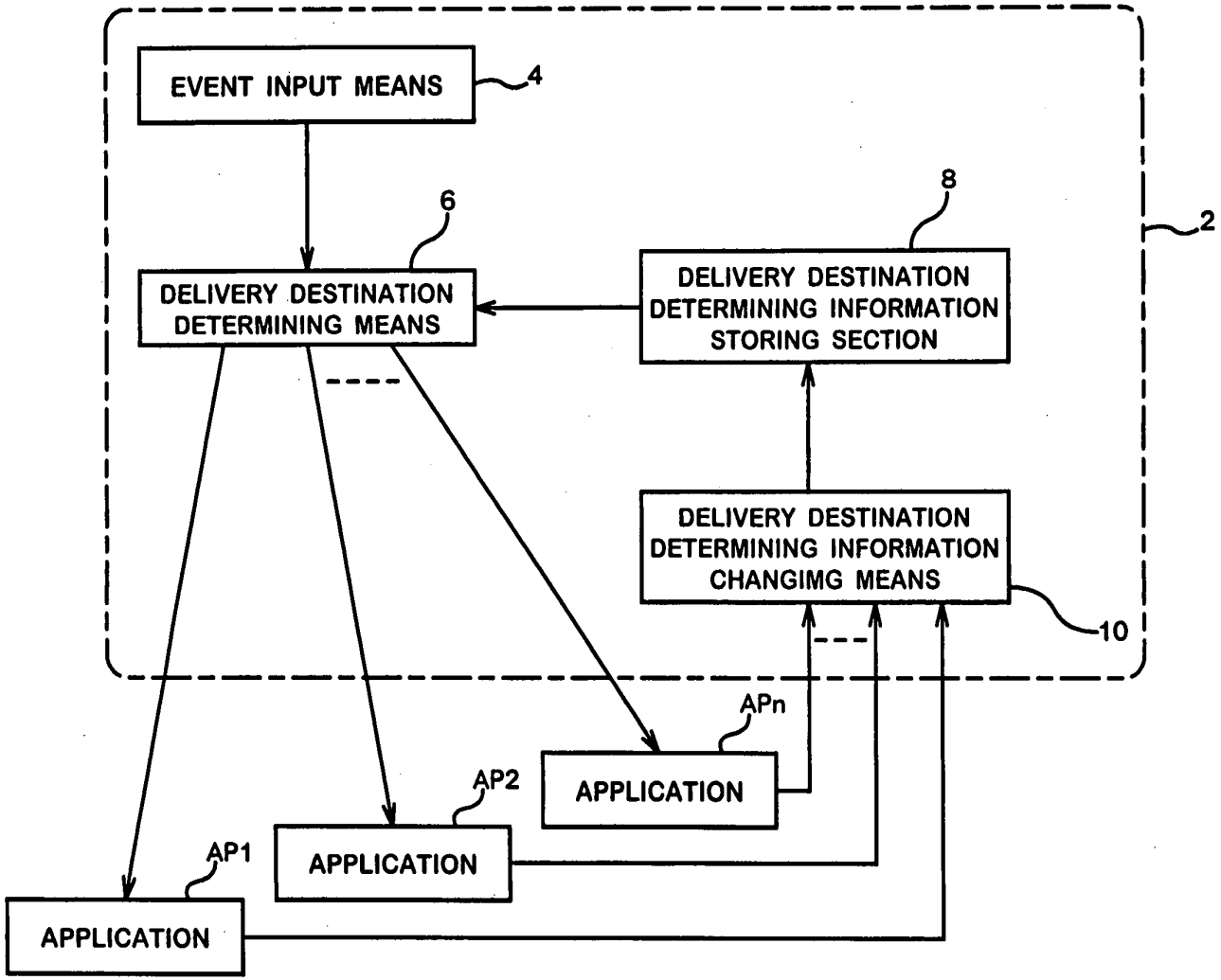


FIG.10

EVENT SPECIFYING INFORMATION

COMBINATION OF APPLICATION	INTERNET BROWSER
	E-MAIL
	TUNING

	INTERNET BROWSER	E-MAIL	TUNING
1	—	—	○
2	—	—	○
3	—	—	○
⋮	⋮	⋮	⋮
9	—	—	○
0	—	—	○
#	—	○	—
⋮	⋮	⋮	⋮
△	—	○	—
▷	—	○	—
▽	—	○	—
◁	—	○	—
DECI-SION	—	○	—
RETURN	—	○	—
MENU	—	—	—
⋮	⋮	⋮	⋮
POWER	—	—	—
⋮	⋮	⋮	⋮

FIG.11

EVENT SPECIFYING INFORMATION

COMBINATION OF APPLICATION	INTERNET BROWSER
	TUNING

	INTERNET BROWSER	TUNING
1	—	○
2	—	○
3	—	○
⋮	⋮	⋮
9	—	○
0	—	○
#	—	○
⋮	⋮	⋮
△	○	—
▷	○	—
▽	○	—
◁	○	—
DECI-SION	○	—
RETURN	○	—
MENU	—	—
⋮	⋮	⋮
POWER	—	—
⋮	⋮	⋮

FIG.12

EVENT CONTROL PROGRAM
(CONTROLLING DELIVERY DESTINATION INFORMATION)

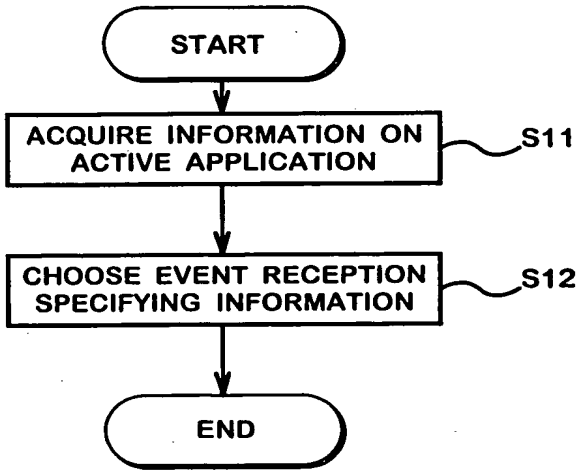


FIG.13

EVENT CONTROL PROGRAM
(CONTROLLING DELIVERY DESTINATION)

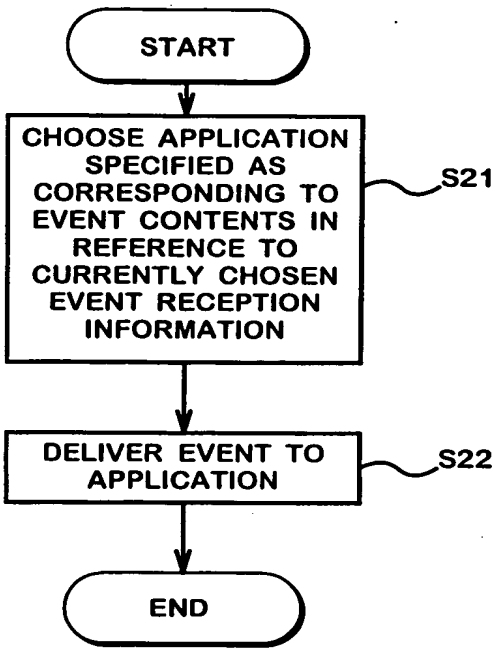


FIG.14

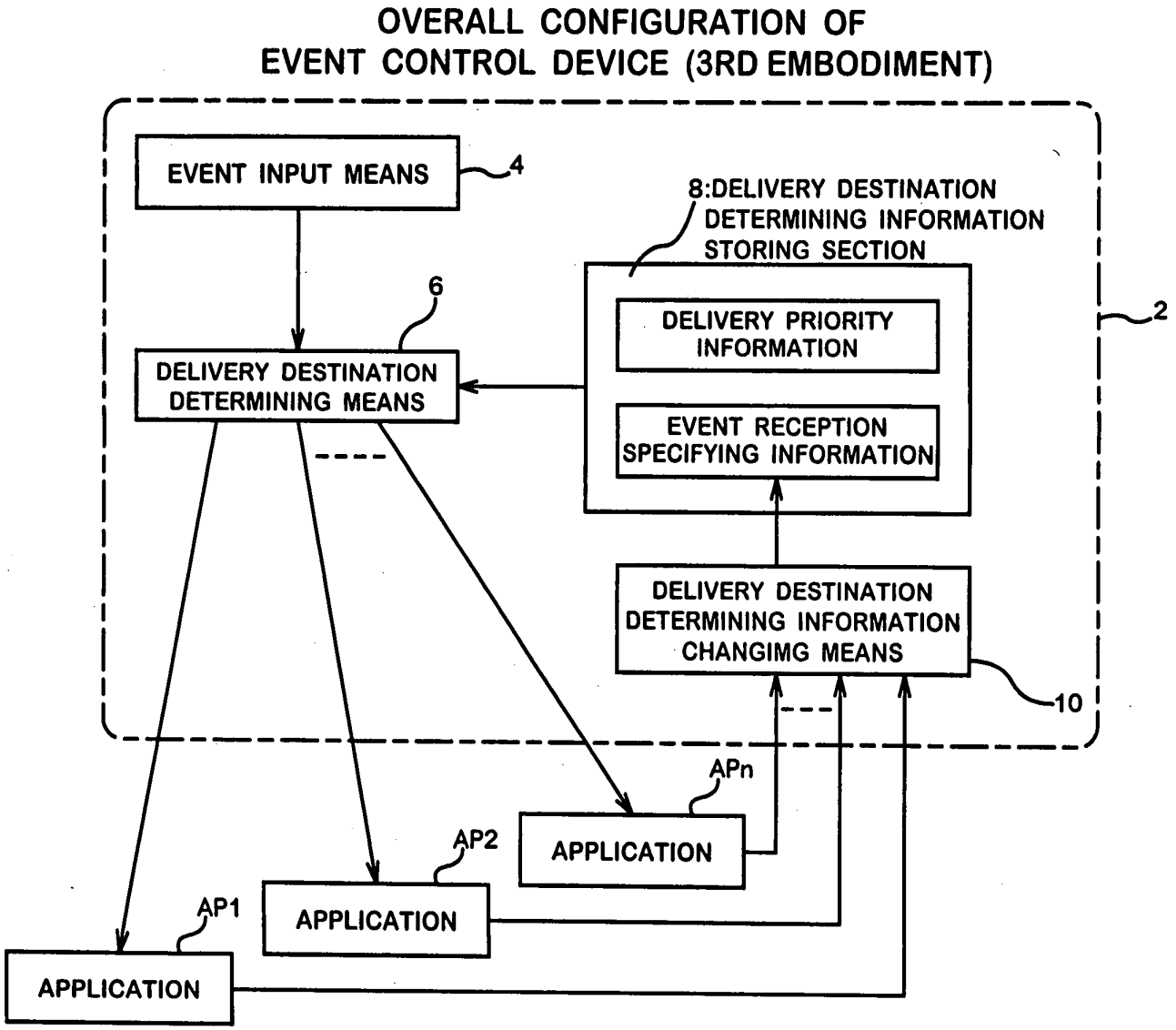

OVERALL CONFIGURATION OF
EVENT CONTROL DEVICE (3RD EMBODIMENT)
EVENT INPUT MEANS
4
8:DELIVERY DESTINATION
DETERMINING INFORMATION
STORING SECTION
6
DELIVERY PRIORITY
INFORMATION
2
DELIVERY DESTINATION
DETERMINING MEANS
EVENT RECEPTION
SPECIFYING INFORMATION
DELIVERY DESTINATION
DETERMINING INFORMATION
CHANGIMG MEANS
10
APn
APPLICATION
AP2
APPLICATION
AP1
APPLICATION

FIG.15

DELIVERY PRIORITY INFORMATION

	INTERNET BROWSER	E-MAIL	TUNING
1	1	——	2
2	1	——	2
3	1	——	2
⋮	⋮	⋮	⋮
9	1	——	2
0	1	——	2
#	2	1	3
⋮	⋮	⋮	⋮
△	2	1	——
▷	2	1	——
▽	2	1	——
◁	2	1	——
DECI-SION	2	1	——
RETURN	2	1	——
MENU	——	——	——
⋮	⋮	⋮	⋮
POWER	——	——	——
⋮	⋮	⋮	⋮

FIG.16

EVENT RECEPTION SPECIFYING INFORMATION

	INTERNET BROWSER	E-MAIL	TUNING
1	—	—	○
2	—	—	○
3	—	—	○
⋮	⋮	⋮	⋮
9	—	—	○
0	—	—	○
#	○	○	—
⋮	⋮	⋮	⋮
△	○	○	—
▷	○	○	—
▽	○	○	—
◁	○	○	—
DECI-SION	○	○	—
RETURN	○	○	—
MENU	—	—	—
⋮	⋮	⋮	⋮
POWER	—	—	—
⋮	⋮	⋮	⋮

FIG.17

EVENT RECEPTION SPECIFYING INFORMATION

	INTERNET BROWSER	TUNING
1	—	○
2	—	○
3	—	○
⋮	⋮	⋮
9	—	○
0	—	○
#	○	○
⋮	⋮	⋮
△	○	—
▷	○	—
▽	○	—
◁	○	—
DECI-SION	○	—
RETURN	○	—
MENU	—	—
⋮	⋮	⋮
POWER	—	—
⋮	⋮	⋮

FIG.18

EVENT CONTROL PROGRAM
(CONTROLLING DELIVERY DESTINATION)

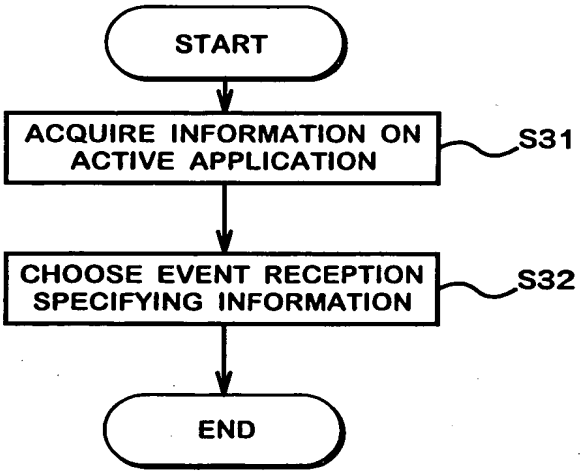


FIG.19

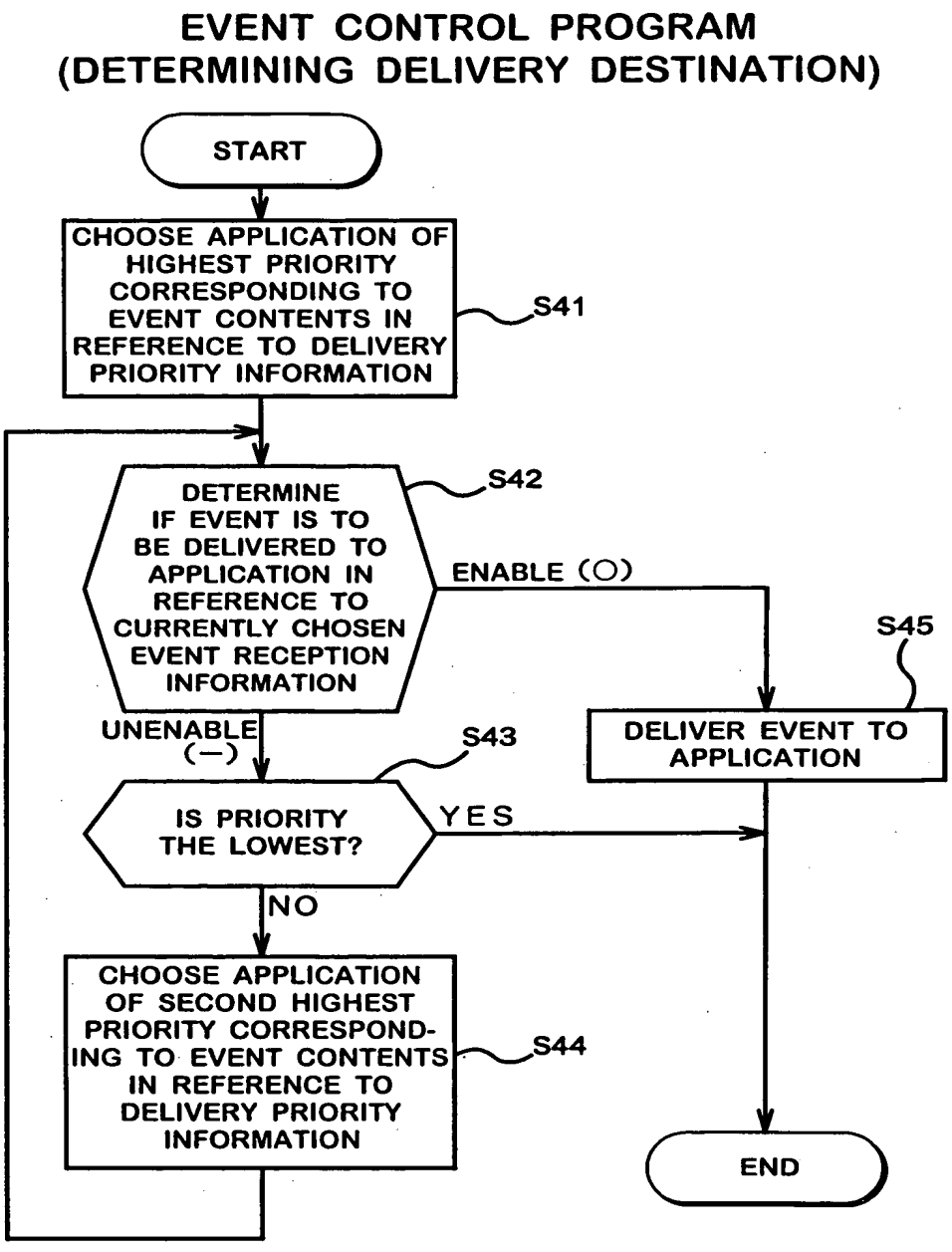

EVENT CONTROL PROGRAM
(DETERMINING DELIVERY DESTINATION)
START
CHOOSE APPLICATION OF HIGHEST PRIORITY CORRESPONDING TO EVENT CONTENTS IN REFERENCE TO DELIVERY PRIORITY INFORMATION
S41
DETERMINE IF EVENT IS TO BE DELIVERED TO APPLICATION IN REFERENCE TO CURRENTLY CHOSEN EVENT RECEPTION INFORMATION
S42
ENABLE (O)
UNENABLE (—)
S43
IS PRIORITY THE LOWEST?
YES
NO
CHOOSE APPLICATION OF SECOND HIGHEST PRIORITY CORRESPONDING TO EVENT CONTENTS IN REFERENCE TO DELIVERY PRIORITY INFORMATION
S44
S45
DELIVER EVENT TO APPLICATION
END

FIG.20

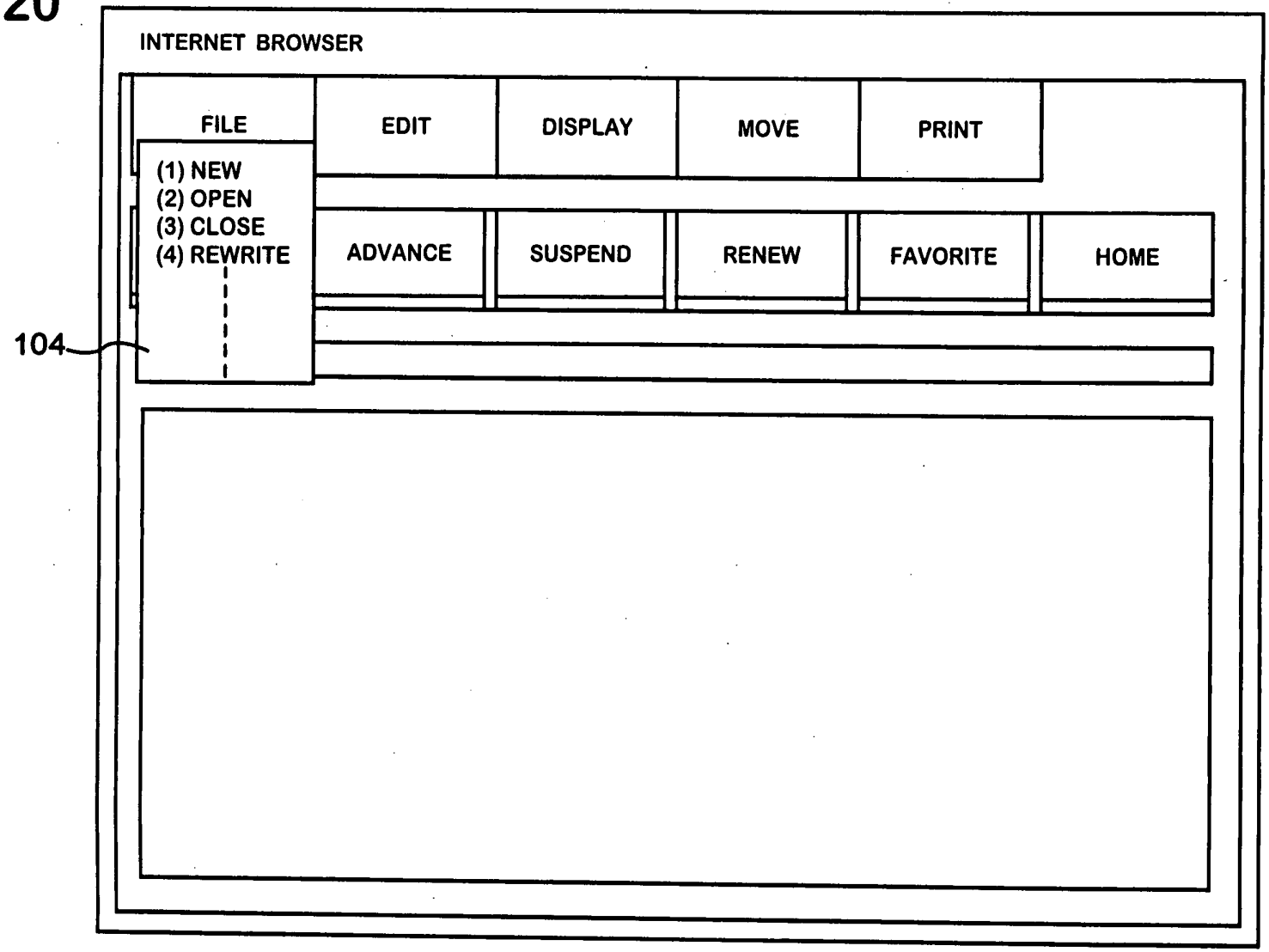

INTERNET BROWSER
FILE
EDIT
DISPLAY
MOVE
PRINT
(1) NEW
(2) OPEN
(3) CLOSE
(4) REWRITE
ADVANCE
SUSPEND
RENEW
FAVORITE
HOME
104

FIG.21

EVENT RECEPTION SPECIFYING INFORMATION

	INTERNET BROWSER	TUNING
1	○	○
2	○	○
3	○	○
⋮	⋮	⋮
9	○	○
0	○	○
#	○	○
⋮	⋮	⋮
△	○	—
▷	○	—
▽	○	—
◁	○	—
DECI-SION	○	—
RETURN	○	—
MENU	—	—
⋮	⋮	⋮
POWER	—	—
⋮	⋮	⋮

FIG.22

DELIVERY PRIORITY INFORMATION

	INTERNET BROWSER	E-MAIL	TUNING
NUME-RAL	1	——	2
CUR-SOR	2	1	——
⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮

FIG.23

EVENT RECEPTION SPECIFYING INFORMATION

	INTERNET BROWSER	E-MAIL	TUNING
NUME-RAL	—	—	○
CUR-SOR	○	○	—
⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮

FIG.24

EVENT GROUPING INFORMATION

	NUMERAL	CURSOR	----
1	○	—	----
2	○	—	----
3	○	—	----
⋮	⋮	⋮	----
9	○	—	----
0	○	—	----
#	○	—	----
⋮	⋮	⋮	----
△	—	○	----
▷	—	○	----
▽	—	○	----
◁	—	○	----
DECI-SION	—	○	----
RETURN	—	—	----
MENU	—	—	----
⋮	⋮	⋮	----
POWER	—	—	----
⋮	⋮	⋮	⋮

FIG.25

OVERALL CONFIGURATION OF
EVENT CONTROL DEVICE (4TH EMBODIMENT)

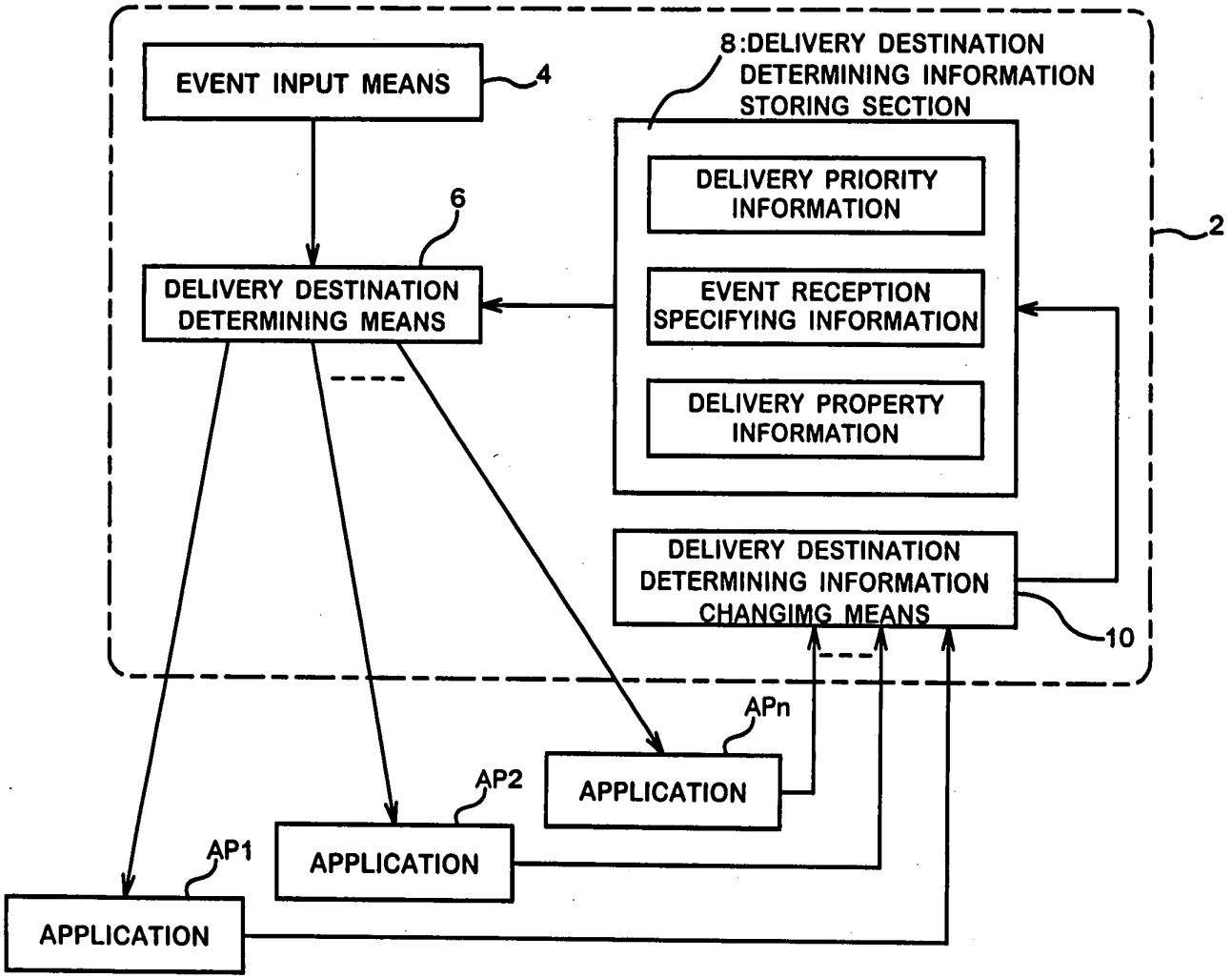


FIG.26

DELIVERY PROPERTY INFORMATION

	INTERNET BROWSER	E-MAIL	TUNING
1	——	——	——
2	——	——	——
3	——	——	——
⋮	⋮	⋮	⋮
9	——	——	——
0	——	——	——
#	SHARE(OVER)	SHARE	——
⋮	⋮	⋮	⋮
△	SHARE(OVER)	SHARE	——
▷	SHARE(OVER)	SHARE	——
▽	SHARE(OVER)	SHARE	——
◁	SHARE(OVER)	SHARE	——
DECI-SION	SHARE(OVER)	SHARE	——
RETURN	SHARE(OVER)	SHARE	——
MENU	——	——	——
⋮	⋮	⋮	⋮
POWER	——	——	——
⋮	⋮	⋮	⋮

FIG.27

EVENT CONTROL PROGRAM

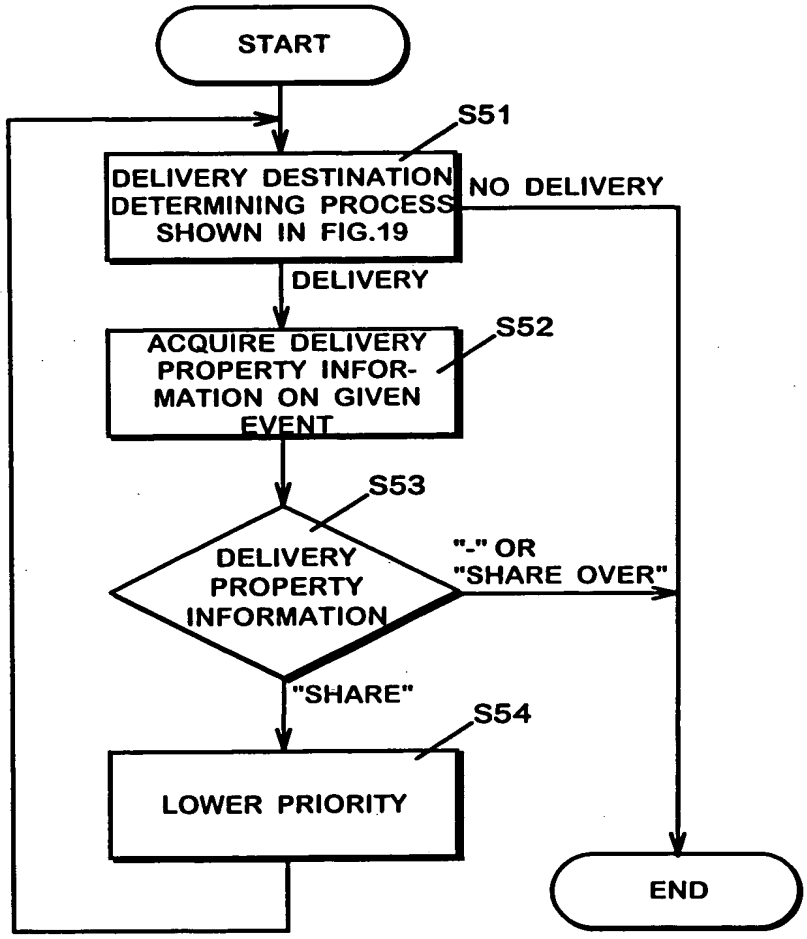


FIG.28

OVERALL CONFIGURATION OF
EVENT CONTROL DEVICE (5TH EMBODIMENT)

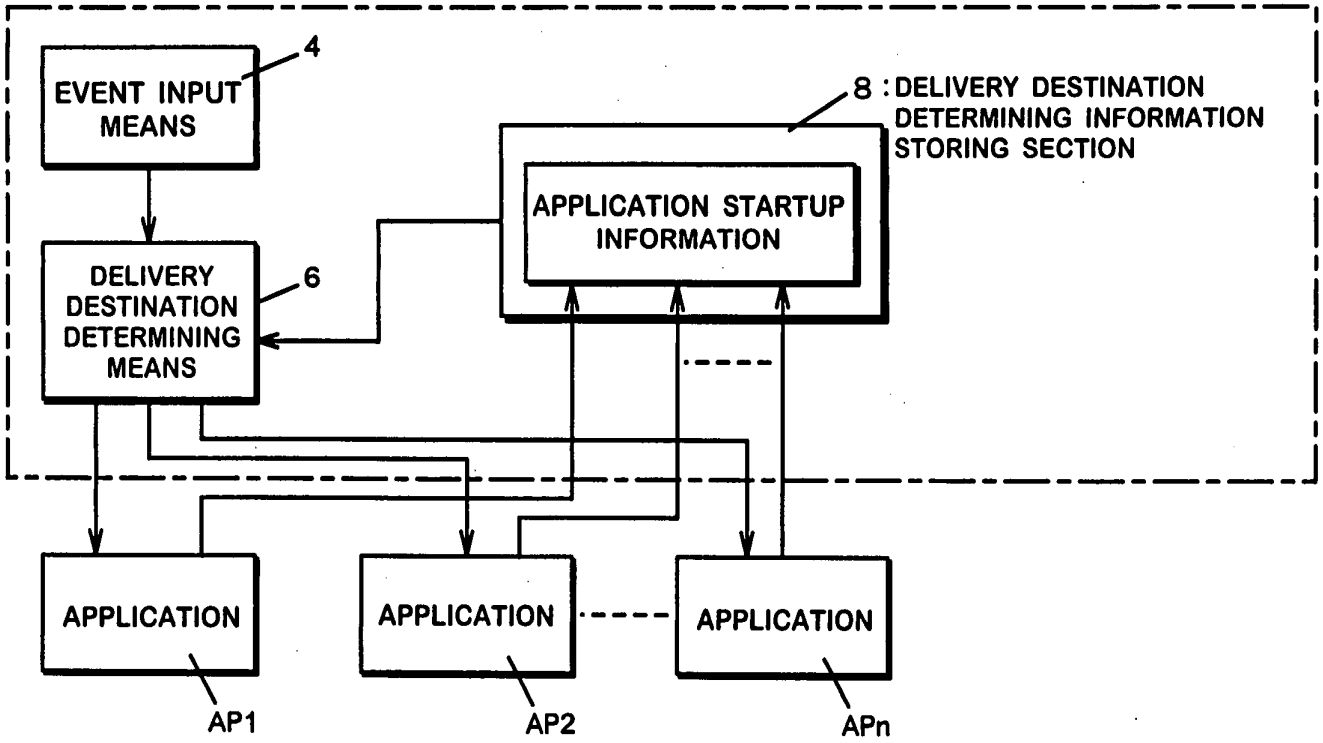


FIG.29

APPLICATION STARTUP INFORMATION

INTERNET BROWSER	E-MAIL	TUNING
○	——	○

○:ACTIVE
——:NOT ACTIVE

FIG.30

OVERALL CONFIGURATION OF
EVENT CONTROL DEVICE (6TH EMBODIMENT)

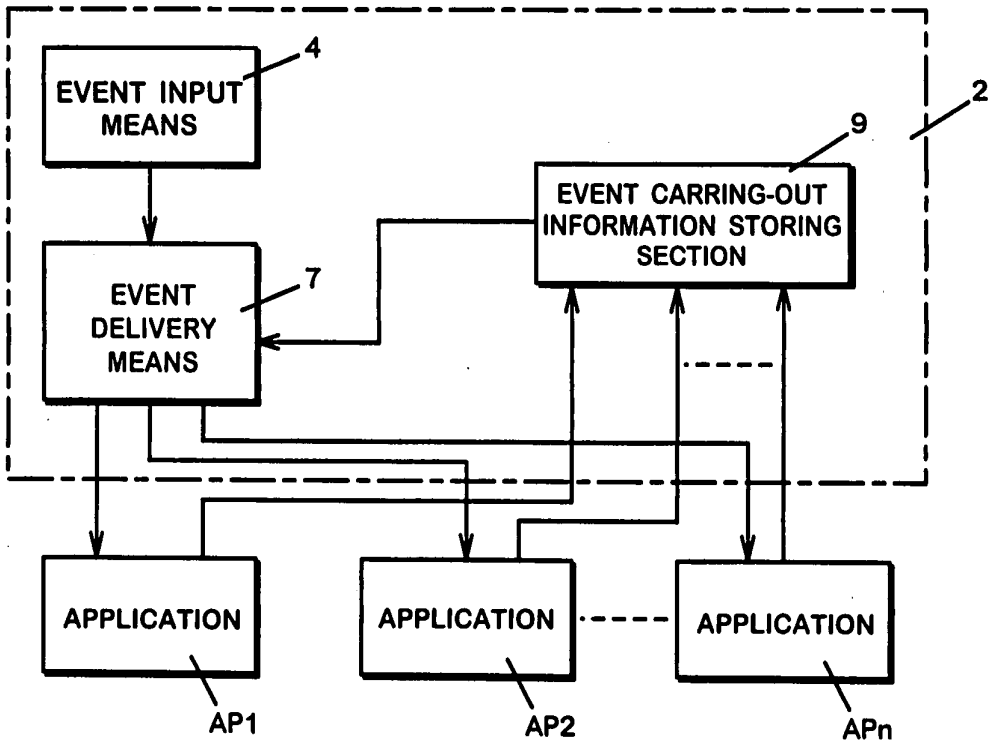


FIG.31

EVENT EXECUTING INFORMATION

	INTERNET BROWSER	E-MAIL	TUNING
1	○	○	—
2	○	○	—
3	○	○	—
⋮	⋮	⋮	⋮
9	○	○	—
0	○	○	—
#	—	○	○
⋮	⋮	⋮	⋮
△	—	—	○
▷	—	—	○
⋮	⋮	⋮	⋮

FIG.32

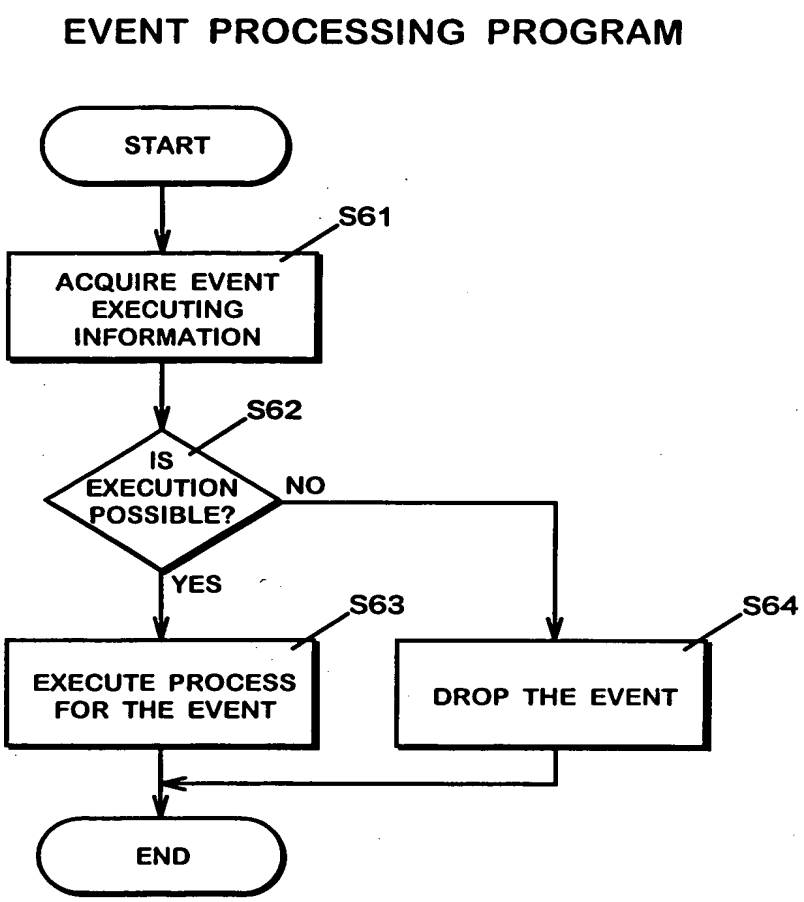

EVENT PROCESSING PROGRAM
START
S61
ACQUIRE EVENT EXECUTING INFORMATION
S62
IS EXECUTION POSSIBLE?
NO
YES
S63
EXECUTE PROCESS FOR THE EVENT
S64
DROP THE EVENT
END

FIG.33

OVERALL CONFIGURATION OF TRANSMITTER
(7TH EMBODIMENT)

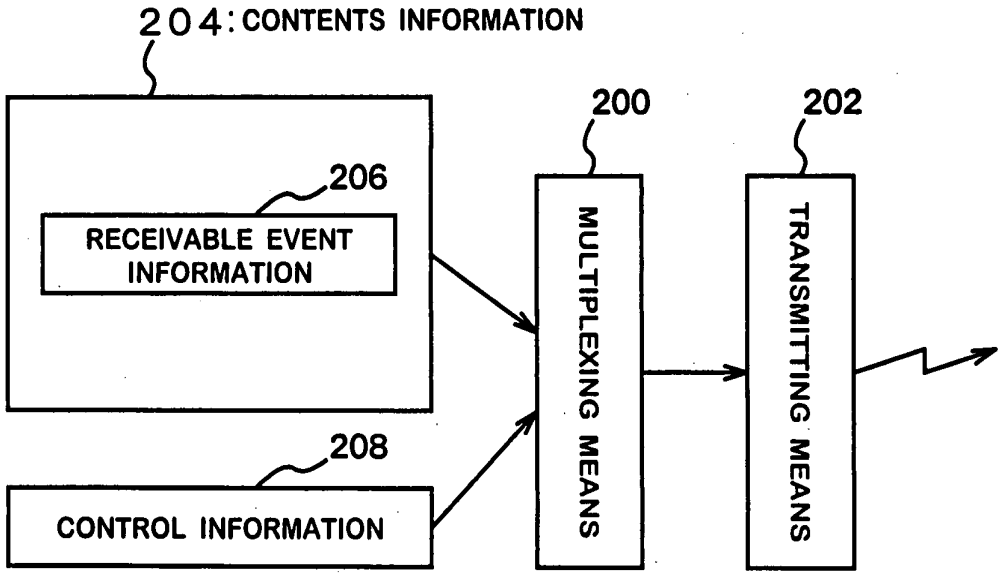


FIG.34

OVERALL CONFIGURATION OF RECEIVER
(7TH EMBODIMENT)

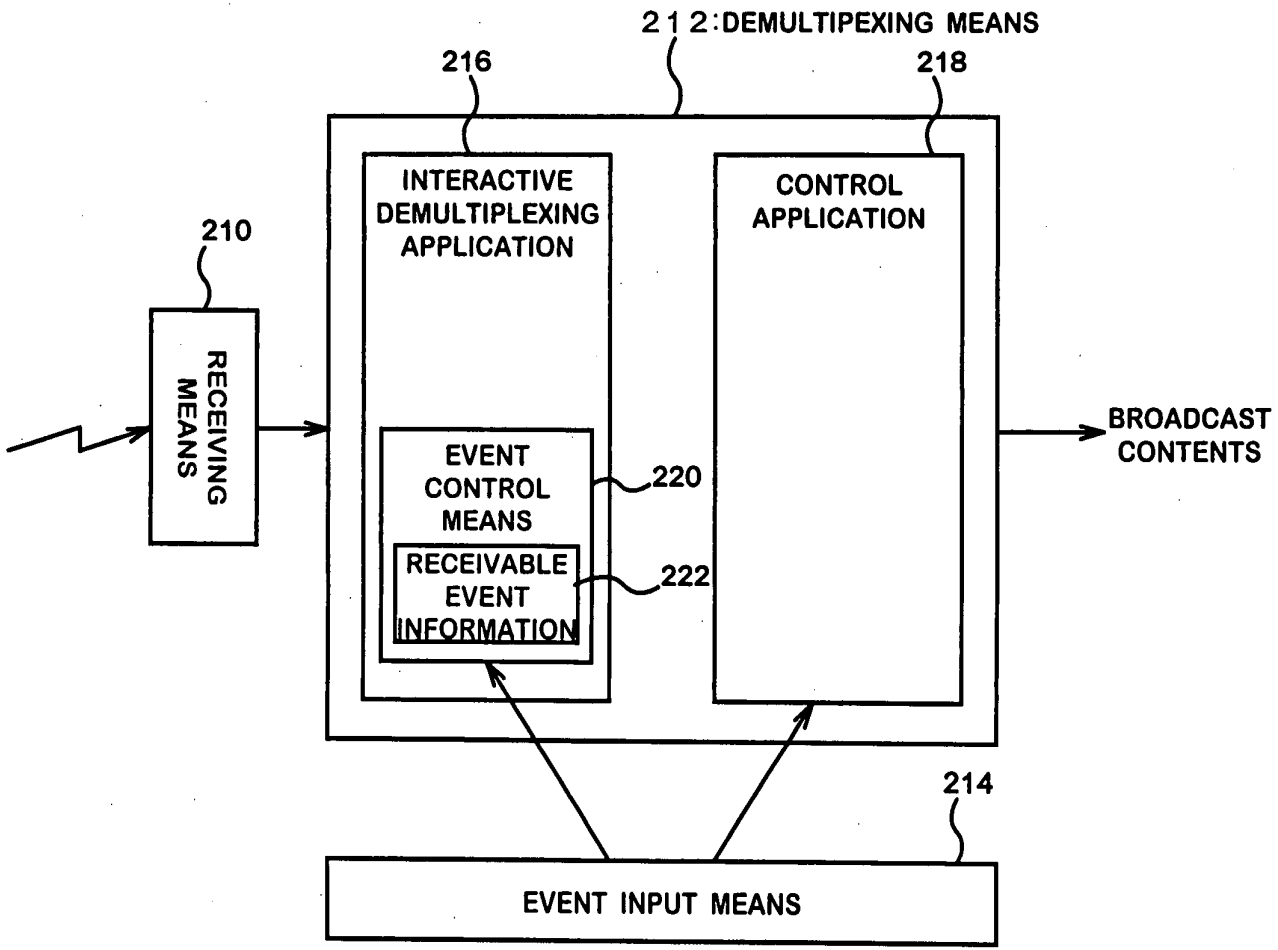


FIG.35

CONSTITUTION DETAILS OF TRANSMITTER
(7TH EMBODIMENT)

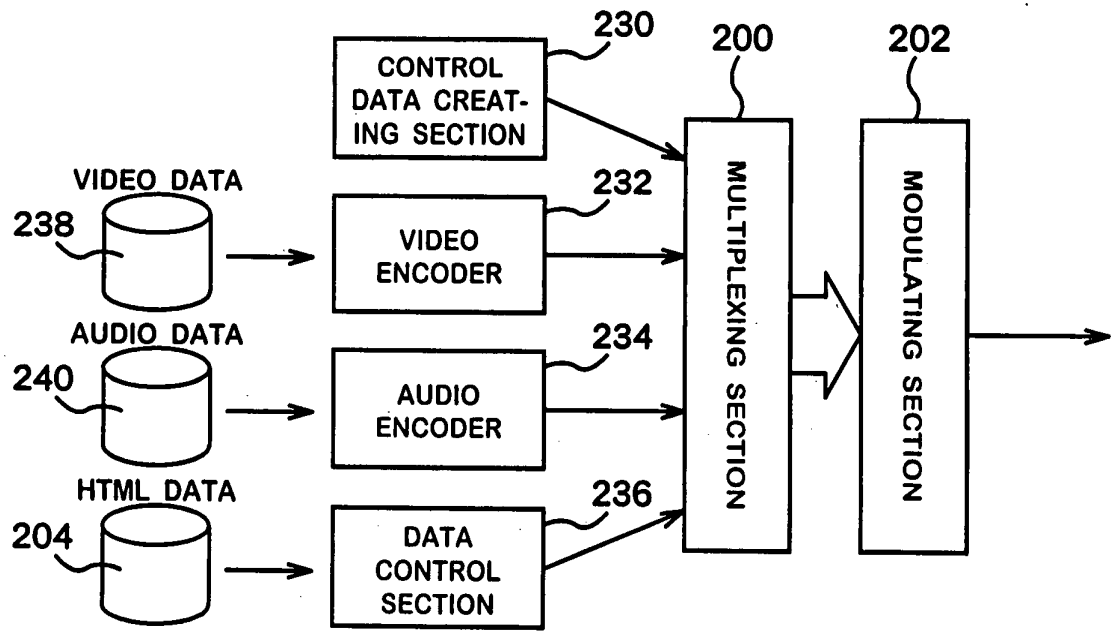


FIG.36

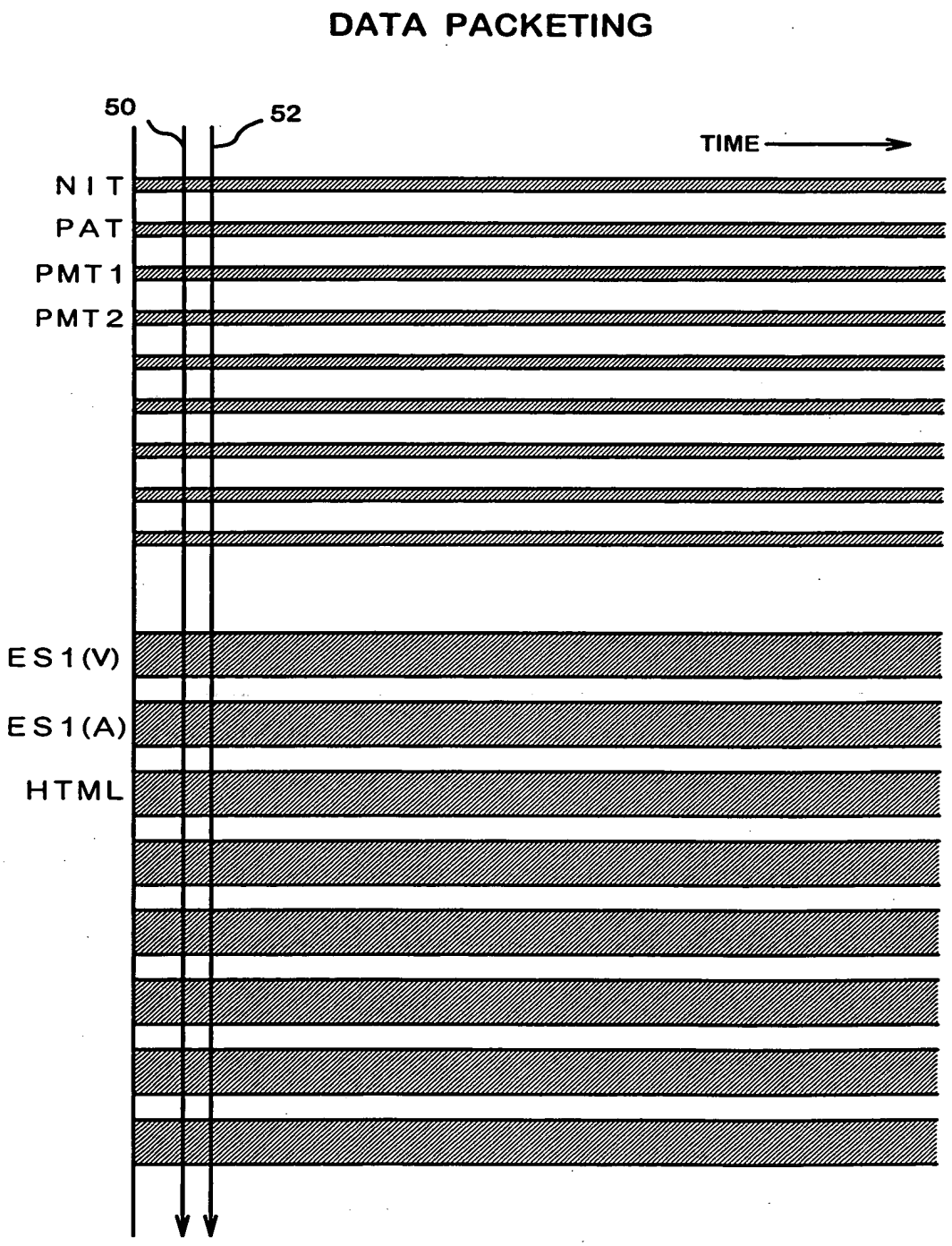


FIG.37

PACKETED DATA STRUCTURE

FIG.38

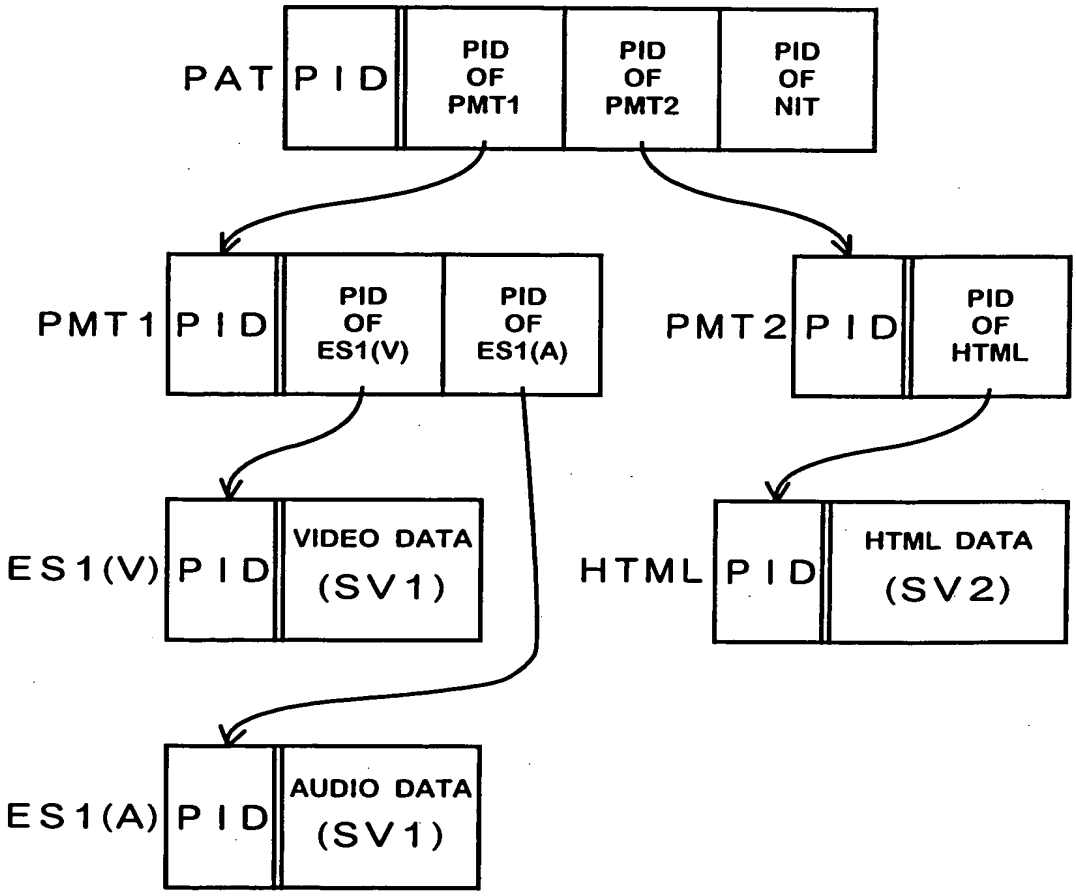

PAT
PID
PID OF PMT1
PID OF PMT2
PID OF NIT
PMT1
PID
PID OF ES1(V)
PID OF ES1(A)
PMT2
PID
PID OF HTML
ES1(V)
PID
VIDEO DATA (SV1)
HTML
PID
HTML DATA (SV2)
ES1(A)
PID
AUDIO DATA (SV1)

FIG.39

NIT

TS	TRANSFER SPEC	SERVICE LIST
TS1	f1	SV1、SV2
TS2	f2	SV21、SV22、SV23、SV24
⋮	⋮	⋮

FIG.40

HTML DATA

```
<html><]head>
<style type="text/css">
 @media:tv{
    keylist::"number.basic"
    #img1{   position:absolute;
                left:100px;top:100px;width:200px;height:200px; }
    #text{ position:absolute;
                left:100px;top:500px;width:200px;height:100px; }
    #button1{ position:absolute;
                left:500px;top:500px;width:150px;height:50px; }
    #button2{ position:absolute;
                left:500px;top:600px;width:150px;height:50px; }
  }
</style>
<script>
   function  img1Goto()
   {
                location.href="http://aaa/bbb/ccc/s2.html";
  }
   function  img2Goto()
   {
                location.href="http://aaa/bbb/ccc/s3.html";
  }
</script></head>
<body>
  <object id="img1"type="image/png"
                src="http://aaa/bbb/ccc/why.png">
  </object>
  <object id="text"type="text/plain"
              THIS IS TEST1<p>
              THIS IS TEST2
  </object>
   <input id="button1"type="image/png"
                src="http://aaa/bbb/ccc/b1.png">
                onclick="img1Goto()"
                accesskey="1">
   </input>
   <input id="button2"type="image/png"
                src="http://aaa/bbb/ccc/b2.png">
                onclick="img2Goto()"
                accesskey="2">
   </input>
<body>
```

510

512

FIG.41

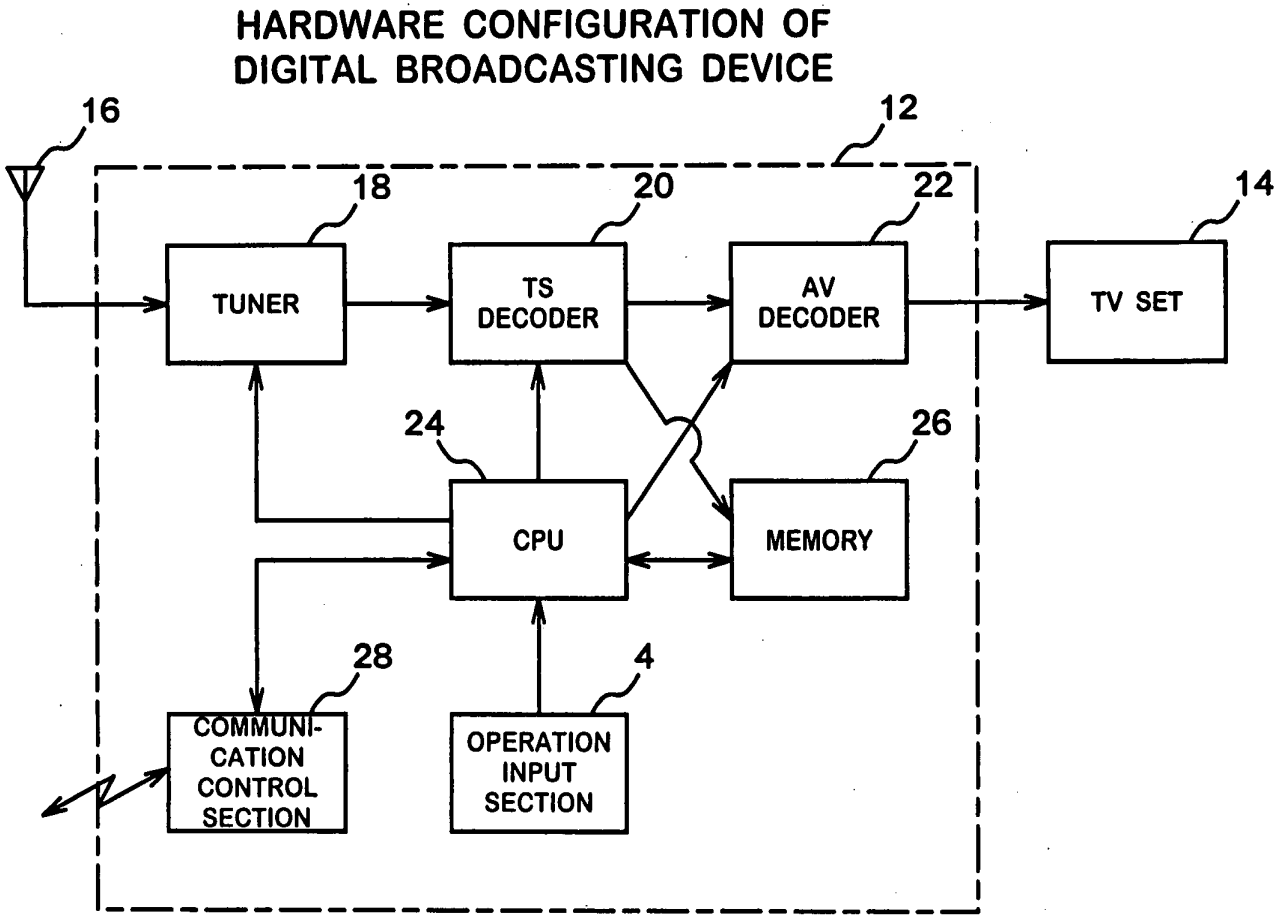

HARDWARE CONFIGURATION OF
DIGITAL BROADCASTING DEVICE
16
12
18
20
22
14
TUNER
TS
DECODER
AV
DECODER
TV SET
24
26
CPU
MEMORY
28
4
COMMUNI-
CATION
CONTROL
SECTION
OPERATION
INPUT
SECTION

FIG.42

RECEIVABLE EVENT TABLE

1	○
2	○
3	○
⋮	⋮
9	○
0	○
#	—
⋮	⋮
△	○
▷	○
▽	○
◁	○
DECI-SION	○
RETURN	—
MENU	—
⋮	⋮
POWER	—
⋮	⋮

FIG.43

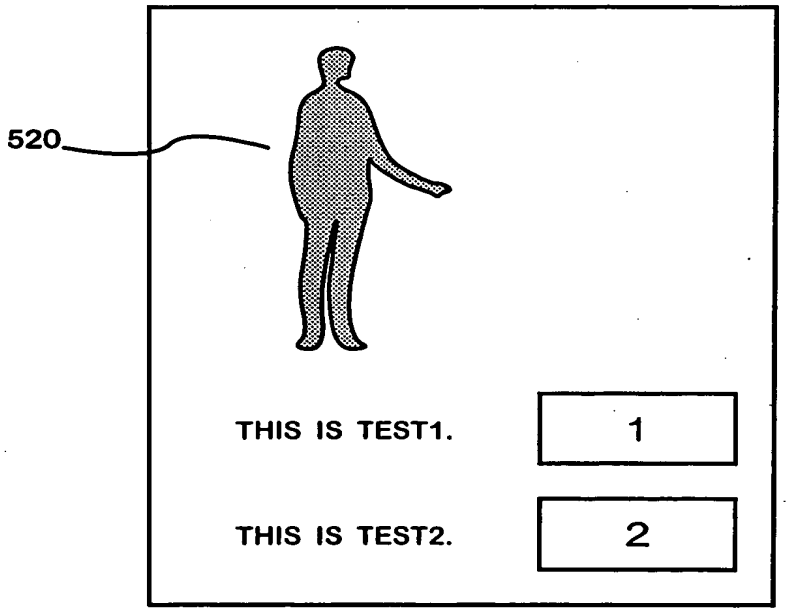


FIG.44

OVERALL CONFIGURATION OF RECEIVER

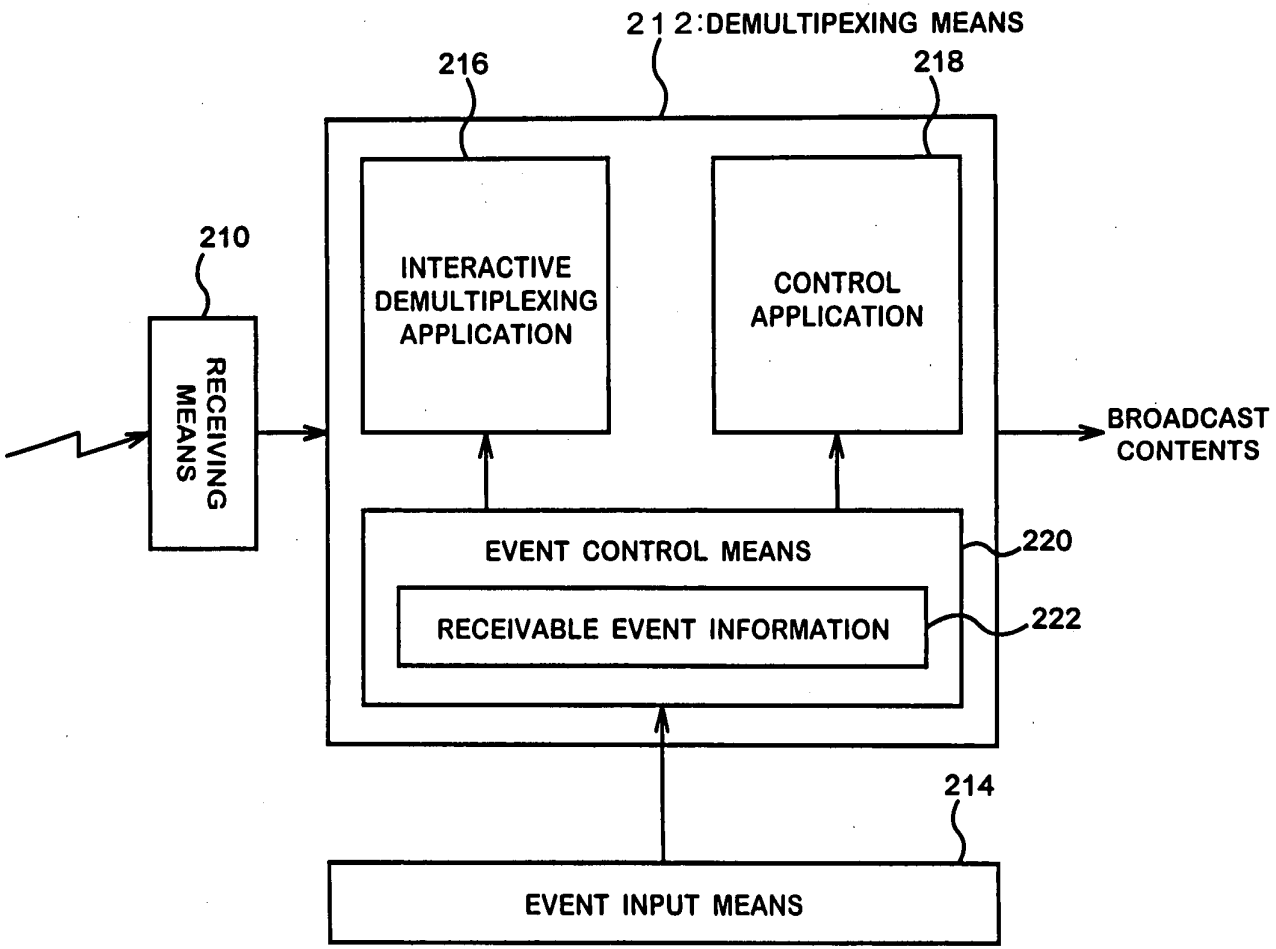


FIG.45

OVERALL CONFIGURATION OF TRANSMITTER
(8TH EMBODIMENT)

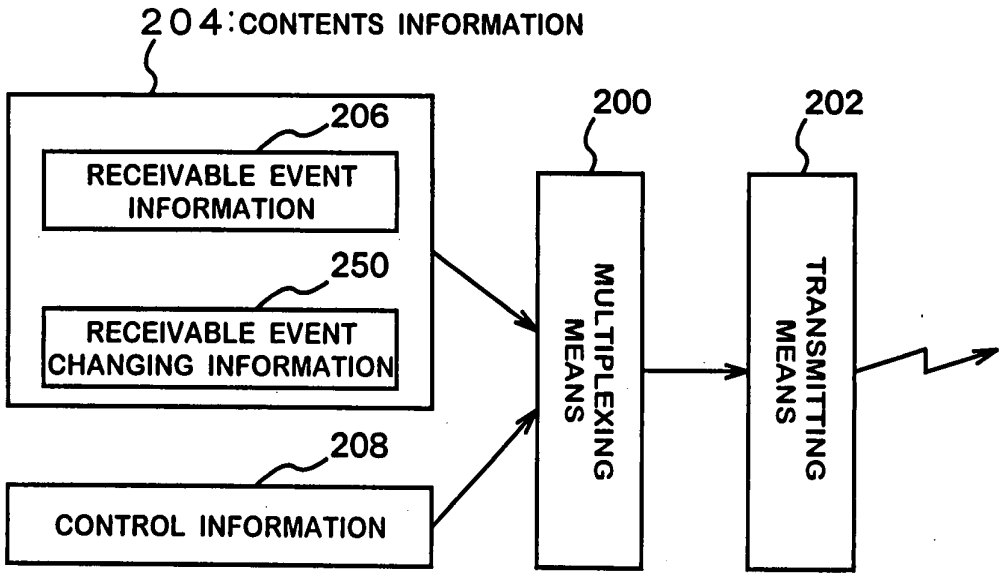


FIG.46

OVERALL CONFIGURATION OF RECEIVER
(8TH EMBODIMENT)

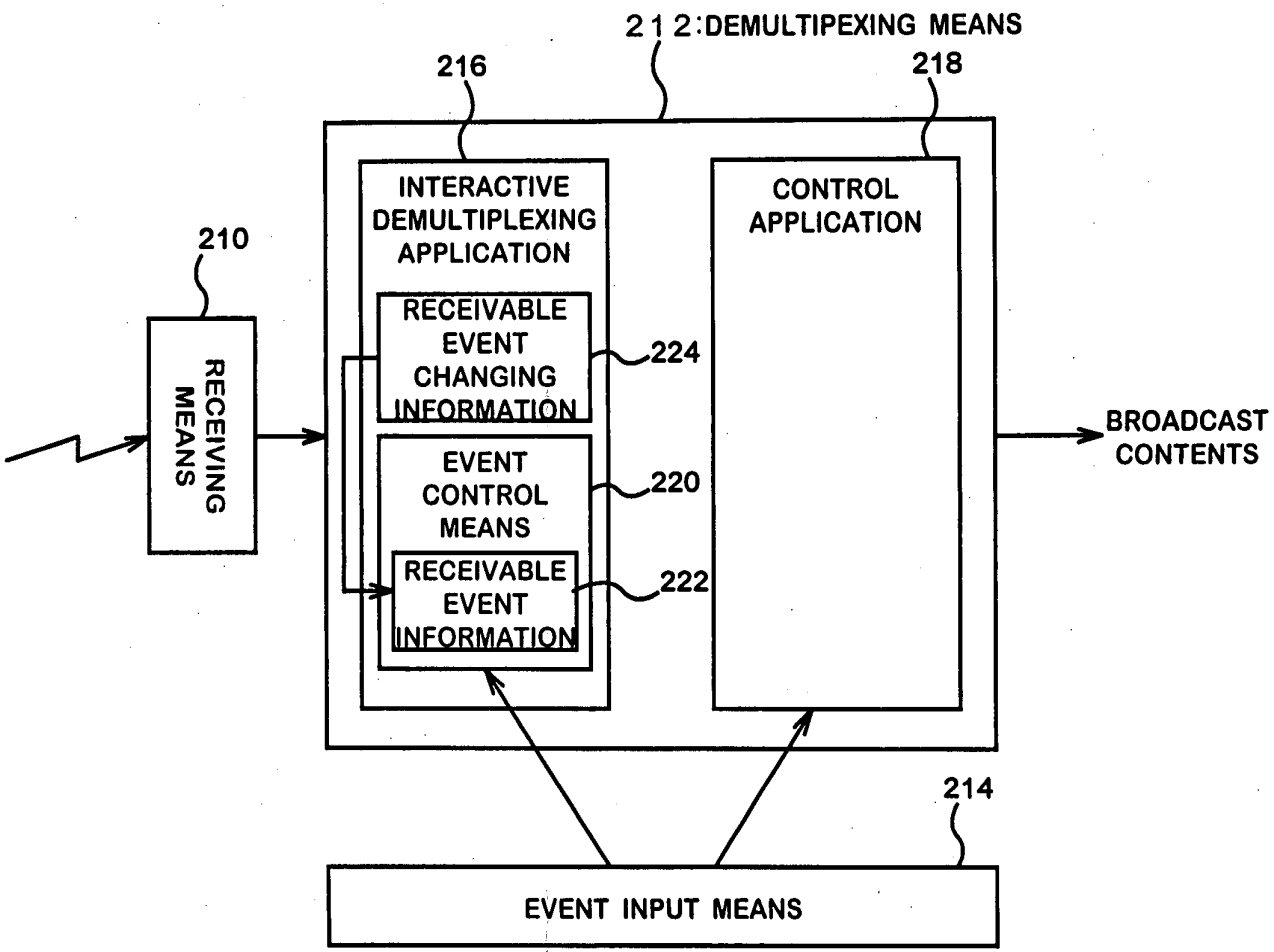


FIG.47

```
<html><]head>
<style type="text/css">
 keylist:"basic"
 #text{ position:absolute;
          left:300px;top:50px;width:200px;height:50px; }
 #isge{ position:absolute;
          left:500px;top:300px;width:300px;height:50px; }
  #man{ position:absolute;
          left:400px;top:600px;width:30px;height:30px; }
  #woman{ position:absolute;
          left:600px;top:600px;width:30px;height:30px; }
 #best{ position:absolute;
          left:400px;top:700px;width:50px;height:30px; }
 #better{ position:absolute;
          left:400px;top:800px;width:50px;height:30px; }
 #poor{ position:absolute;
          left:400px;top:900px;width:50px;height:30px; }
</style><script>
  function funcage1(){
          thisdocument.style.keylist="number.basic";     }
  function funcage2(){
          thisdocument.style.keylist="basic"; }
</script></head>
<body>
  <object id="text"type="text/plain"
           TV INQUIRY
  </object>
</body>
<form>
  AGE :
 <input id="age"type="text"onfocus="funcage1"onblur="funcage2">
 </input>
   SEX :
 <input id="man"type="radio"name= "sex" value="man"> MALE  </input>
 <input id="woman"type="radio"name= "sex" value="woman"> FEMALE </input>
 PROGRAM IMPRESSION : <p>
 <input id= "best" type= "radio"name= "prog" value= "best"> VERY INTERESTING
 </input>
 <input id= "good" type= "radio" name= "prog"value= "better"> INTERESTING
 </input>
 <input id= "poor" type= "radio" name= "prog"value= "poor"> DULL
 </input>
<form>
```

510

512

FIG.48

RECEIVABLE EVENT TABLE

1	—
2	—
3	—
⋮	⋮
9	—
0	—
#	—
⋮	⋮
△	○
▷	○
▽	○
◁	○
DECI-SION	○
RETURN	—
MENU	—
⋮	⋮
POWER	—
⋮	⋮

FIG.49

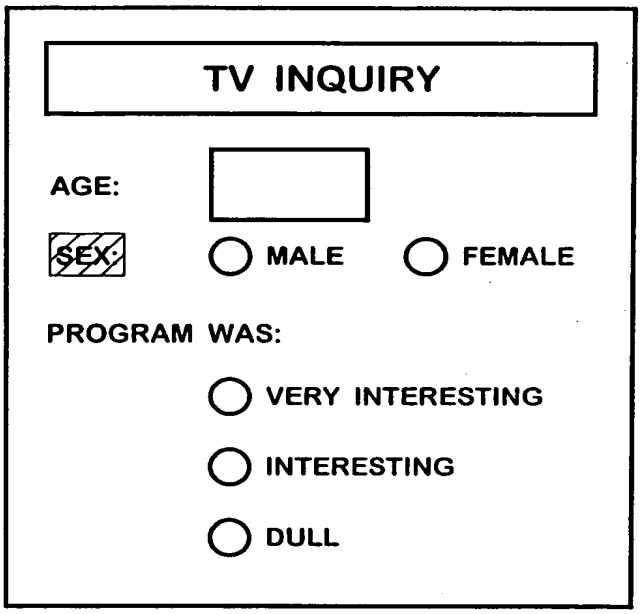

TV INQUIRY
AGE:
SEX:
MALE
FEMALE
PROGRAM WAS:
VERY INTERESTING
INTERESTING
DULL

FIG.50

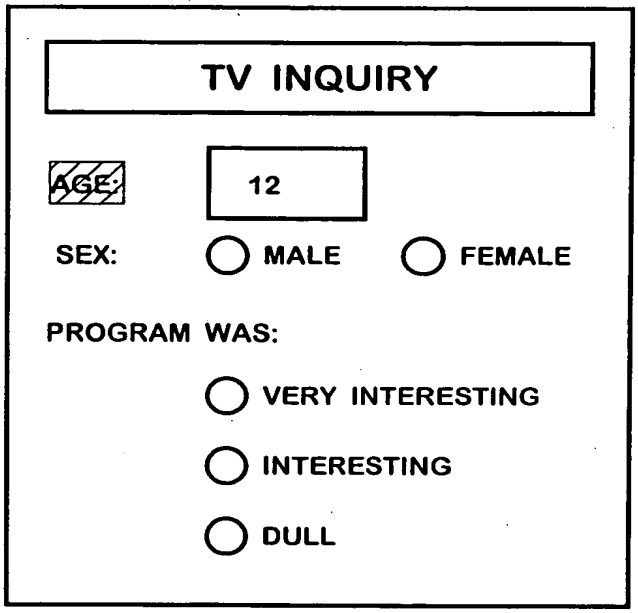
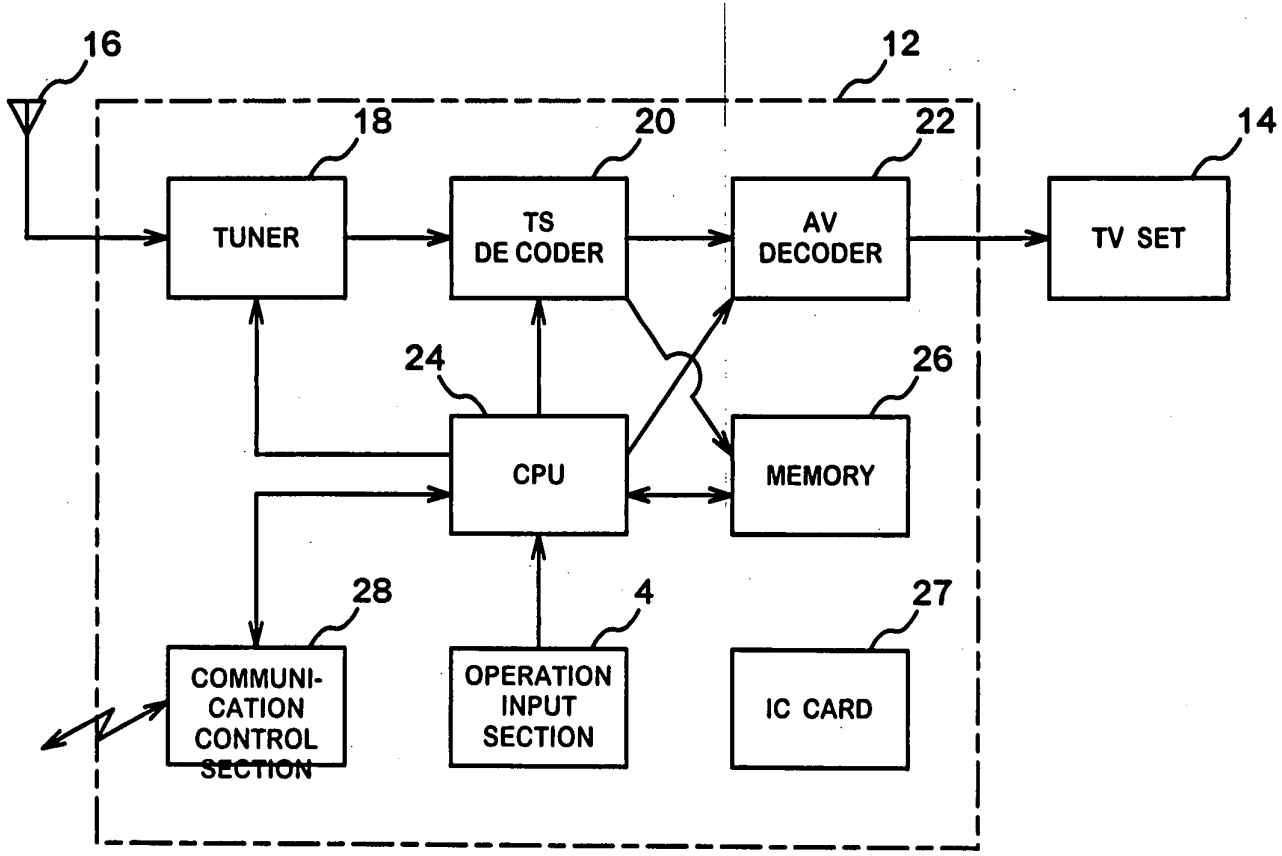

TV INQUIRY
AGE:
12
SEX:
MALE
FEMALE
PROGRAM WAS:
VERY INTERESTING
INTERESTING
DULL

FIG.51

HARDWARE CONFIGURATION OF DIGITAL BROADCAST RECEIVER